

1. Record Nr.	UNINA9910484676603321
Titolo	Performance Evaluation and Benchmarking : Transaction Processing Performance Council Technology Conference, TPCTC 2009, Lyon, France, August 24-28, 2009, Revised Selected Papers // edited by Raghunath Nambiar, Meikel Poess
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-10424-X
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XIV, 267 p.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 5895
Classificazione	DAT 343f SS 4800
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Disciplina	004
Soggetti	Computer science Software engineering Data structures (Computer science) Information theory Computers Electronic digital computers - Evaluation Electronic data processing - Management Theory of Computation Software Engineering Data Structures and Information Theory Hardware Performance and Reliability System Performance and Evaluation IT Operations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Transaction Processing Performance Council (TPC): Twenty Years Later -- A Look Back, a Look Ahead -- A New Direction for TPC? -- The Art of Building a Good Benchmark -- Database Are Not Toasters: A Framework for Comparing Data Warehouse Appliances -- The State of Energy and Performance Benchmarking for Enterprise Servers -- From

Performance to Dependability Benchmarking: A Mandatory Path -- Overview of TPC Benchmark E: The Next Generation of OLTP Benchmarks -- Converting TPC-H Query Templates to Use DSQGEN for Easy Extensibility -- Generating Shifting Workloads to Benchmark Adaptability in Relational Database Systems -- Measuring Database Performance in Online Services: A Trace-Based Approach -- Issues in Benchmark Metric Selection -- Benchmarking Query Execution Robustness -- Benchmarking Database Performance in a Virtual Environment -- Principles for an ETL Benchmark -- Benchmarking ETL Workflows -- A Performance Study of Event Processing Systems -- The Star Schema Benchmark and Augmented Fact Table Indexing -- An Approach of Performance Evaluation in Authentic Database Applications.

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## Sommario/riassunto

This book constitutes the reviewed proceedings of the first Conference on Performance Evaluation and Benchmarking, TPCTC 2009, held in Lyon, France, August 24-28, 2009. The 16 full papers and two keynote papers were carefully selected from 34 submissions. This book considers issues such as appliance, business intelligence, cloud computing, complex event processing, database performance optimizations, green computing, data compression, disaster tolerance and recovery, energy and space efficiency, hardware innovations, high speed data generation, hybrid workloads or operational data warehousing, unstructured data management, software management and maintenance, virtualization and very large memory systems.

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